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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V  
POLLUTION REPORT

DATE: DECEMBER 12, 1994

FROM: PETE GURIA, OSC, RESPONSE SECTION 2, CHICAGO, IL

TO:

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DUTY OFFICER NATIONAL RESPONSE CENTER, WASH. D.C.....(US-MAIL)  
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M.RETZLAFF, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY....(VIA-FAX)  
CHICAGO FIRE DEPARTMENT.....(VIA-FAX)

SUBJECT: DAVID CHEMICAL SITE, REMOVAL ACTION, CHICAGO, IL

LATITUDE: 41°52'09.3" LONGITUDE: 87°44'30.4"

POLREP NO.: 6

SITE ID NO.: XG DELIVERY ORDER NO. : 5001-05-356

RESPONSE AUTHORITY: CERCLA NPL STATUS: NON-NPL

START DATE: OCTOBER 18, 1994

COMPLETION DATE:

1. SITUATION:

- A. Removal activities continue at this former chemical warehouse. Chemical identification of all drums and small containers has been completed. A total of 768 samples have been characterized to date. A total of 12 waste streams have been identified. Current drum count stands at 671. Consolidation of drummed materials into compatible waste streams is nearing completion.
- B. Site has remained secure. SDI security providing 24 hr. armed guard service. No site related problems to report to date.
- C. Weather: Temperatures have been in the 30's dipping into the 20's on some days. Two inches of snow accumulated on 12/7. Temperatures occasionally reached above 32 and melting snow added to water accumulation in the building.

2. ACTIONS TAKEN:

- A. Composite samples of the base/neutral liquids, caustic liquids, flammable liquids, and flammable solids were sent for profile analysis on 12/9. Verbal results are expected on 12/14. Complete results are expected 12/27. Clean Harbors granted approval for the cyanide solids on 12/5. On 12/9 Environmental Quality's Bellville, MI, facility granted approval for landfill of the base solid group.
- B. Consolidation of liquid waste streams into bulk tanks continuing. Acid liquid group completed 12/7, acid oxidizing liquids (chromic acid) completed 12/8, and caustic liquids completed 12/8. Consolidation of the remaining smaller waste streams began 12/9. The volume of these waste streams is small enough to allow them to be bulked into new drums for shipment. Consolidation of the nickel liquids waste stream was completed on 12/9. Began bulking flammable liquids 12/9.

- C. All drums, bags, and other containers restaged according to their respective waste groups 12/8. The organization of the drums has increased crew productivity and allowed for efficient consolidation of drummed materials.
- D. Disposal of hazardous debris continues. Two roll-off boxes have been shipped for disposal to ChemMet Services in Wyandotte, MI on 12/7 and 12/9. A total of 98 cubic yards have been shipped to date.
- E. TAT continued to provide daily air monitoring for combustible gasses, O<sub>2</sub>, CN<sup>-</sup>, ammonia, and CO vapor on a periodic basis during sampling activities. No readings above background levels were observed during daily air monitoring.
- F. The ERCS T&D coordinator continues to arrange for disposal of identified waste streams. Competitive bids for the aluminum paste, nickel liquid, and acid liquid expected to be received this week.
- G. Laboratory results of the cyanide liquid waste stream rec'd 12/2, indicated only 1.02 ppm total cyanide and no reactive cyanide detected. Based on these results, the material was characterized according to its pH value of 12 and was consolidated with the caustic liquid waste stream.
- H. The continued accumulation of water on the building floor has increased the possibility of contaminant migration. A concrete berm was constructed on 12/9, along the southeast overhead doorway opening, and pooled liquid was pumped from the floor in this area to contain and control the potential for a release to occur.

### 3. PLANS:

- A. Complete consolidation of drummed materials into respective waste streams. Begin bulking of base solid drums into rolloff boxes 12/13. Expect to ship first rolloff of base solids by 12/16. Continue to ship roll-offs for treatment/disposal. Disposal of chromium contaminated debris will be delayed during consolidation of the base solid waste stream.
- B. A drum grapppler attachment for the bobcat to be procured by RES and mobilized to the site to bulk drums of the base solids. This waste stream contains the greatest number of drums and bagged chemicals found on-site.
- C. Empty steel drums cannot be accepted by the facility receiving the chromium hazardous debris. Drums are to be crushed and profiled the week of 12/12, to EnviroSafe services of Ohio for treatment and disposal.
- D. Continue arranging for disposal of identified waste streams as analytical results are received from the laboratory. Ship waste streams for disposal as approval is received.
- E. Continue open lines of communication with local City and State officials.

### 4. KEY ISSUES:

- A. Future cold spells may cause problems inside the building that will have to be anticipated. Morning safety meetings have addressed threats associated with cold weather. Standing water in the work areas continues to slow work progress, but has not frozen.
- B. Consolidated drums of acid liquid underwent phase separation sometime after they were combined in the poly tank. An improper sample was collected and sent to the low bid disposal facility for characterization and acceptance. The sample was found not to resemble the attached analytical

results, and could not be accepted by the facility because of a high organic content (40 % oil). The tank was re-sampled and profiled to Research Oil Company for approval.

5. COSTS:

A. Case open;

B. Costs through 12/7/94;

	<u>BUDGETED</u>	<u>TOTAL to DATE</u>	<u>REMAINING</u>
ERCS	\$ 540,000	\$ 251,689.89	\$ 288,310.11
TAT	108,000	59,991.43	49,008.57
USEPA-DIR	29,700	11,505.00	18,195.00
USEPA-INDR	54,900	23,359.05	20,253.15
TOTALS	\$ 732,600	\$ 346,445.37	\$ 386,154.63

END